

5.D EAST FORK OF THE JEMEZ RIVER

The East Fork of the Jemez River Watershed is a sub-basin of the Jemez River Basin, located in northcentral New Mexico. The Jemez River Basin, approximately 1043 mi², is dominated by both forest and rangeland (Figure 1.A) on mostly U.S. Forest Service, Tribal, and private land. The East Fork of the Jemez River from its confluence with San Antonio Creek to its headwaters has a 67.7 mi² watershed. Both the study watershed and the Jemez River Basin are located primarily on U.S. Forest Service land.



Photo 6. East Fork of the Jemez River (looking upstream) at Battleship Rock

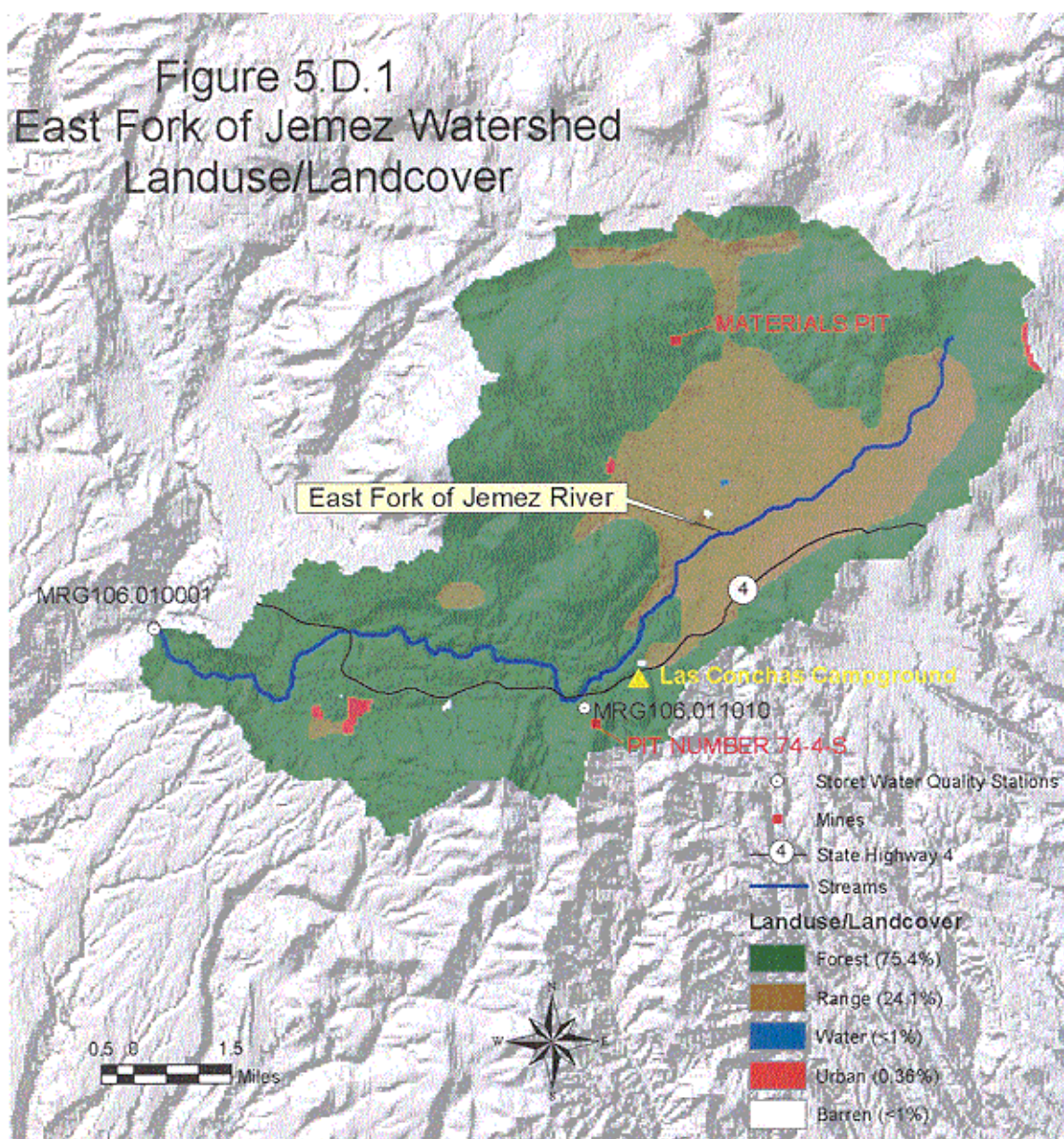
Sampling stations were located throughout the basin to evaluate the impact of tributary streams. As a result of this monitoring effort, two exceedances of New Mexico water quality standards for turbidity were documented on this 16.3 mile segment of the East Fork of the Jemez River. This stream is listed in the 2000-2002 §303(d) list of impaired waters for this constituent only and TMDL calculations for turbidity can be found in Section 10.

Table 3 gives brief descriptions of the locations of the sampling stations throughout the Jemez River Basin and shows that Station 8 is on the East Fork of the Jemez River. A subset of Table 3, for East Fork, is shown below in Table 5-4. This location can be seen on Figure 4. The East Fork of the Jemez River at Battleship Rock (Station 8) showed two exceedances of the turbidity standard during the summer and fall runs in 1998. Upstream of Battleship Rock, at Las Conchas Campground on State Highway 4, the NMED water sampling staff conducted a visual assessment to evaluate stream bottom deposits, and found the river to contain excessive sedimentation. According to the crew, the origin of this sediment “appears to be the lacustrine soils of the floor of the Valles Caldera.” Details and possible effects on the East Fork from the Caldera are described in Section 10 of this document along with TMDL calculations.

Table 5-4: East Fork of the Jemez River Station Identification

SWQB/NMED STATION ID	STORET CODE	SWQB/NMED Thermograph Location ID	Location
8	MRG106.011001	N/A	East Fork of the Jemez River at Battleship Rock.

STORET STATION I.D.	NMED/SWQB STATION I.D.	LOCATION
MRG106.011001	8	East Fork of the Jemez River at Battleship Rock
MRG106.011010	-----	East Fork of the Jemez River above Las Conchas Campground



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